Figure 1

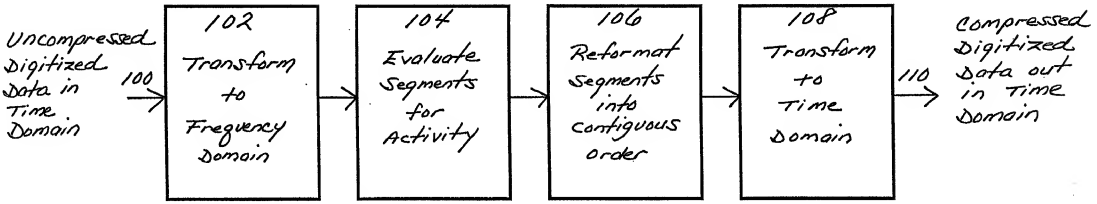

Uncompressed Digitized Data in Time Domain
100
102
Transform to Frequency Domain
104
Evaluate Segments for Activity
106
Reformat Segments into contiguous order
108
Transform to Time Domain
110
Compressed Digitized Data out in Time Domain

Figure 2

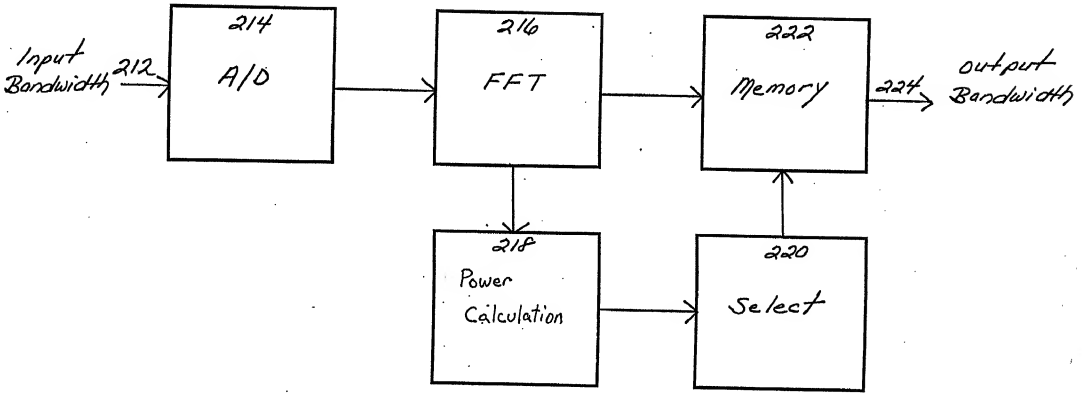

Input Bandwidth
212
214
A/D
216
FFT
222
Memory
224
output Bandwidth
218
Power Calculation
220
Select

Figure 3

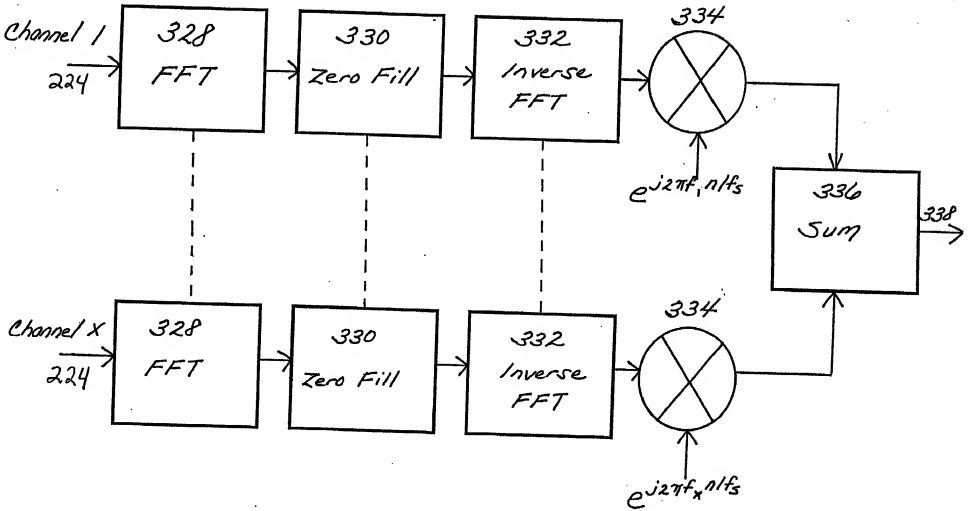
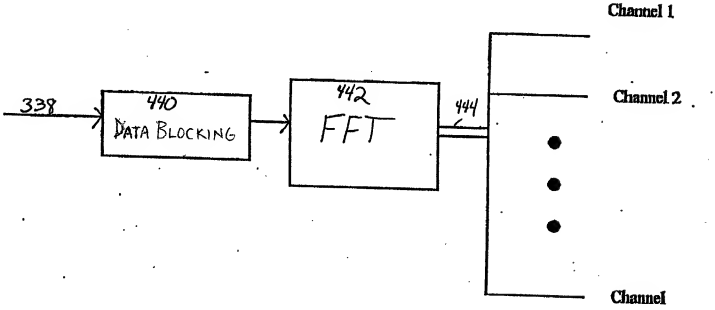

Channel 1
224
328
FFT
330
Zero Fill
332
Inverse
FFT
334
$e^{j2\pi f_1 n/f_s}$
336
Sum
338
Channel X
224
328
FFT
330
Zero Fill
332
Inverse
FFT
334
$e^{j2\pi f_x n/f_s}$

Figure 4


338
440
DATA BLOCKING
442
FFT
444
Channel 1
Channel 2
Channel